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Substitute for form 1449/PTO				Complete if Known		
				Application Number	10/538,723-Conf. #6853	
	NFORMATION	1 DI	SCLOSURE	Filing Date	June 13, 2005	
STATEMENT BY APPLICANT			APPLICANT	First Named Inventor	Richard George L. Morgan	
				Art Unit	1654	
	(Use as many sh	eets as	s necessary)	Examiner Name	D. Lukton	
Sheet	1	of	2	Attorney Docket Number	HO-P03185US0	

U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	radino or ratoritos or	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
	AA*	US-2002/0086383	07-04-2002	Sauvageau et al.			

FOREIGN PATENT DOCUMENTS							
Examiner Cite		Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ³ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶	
	ВА	WO-1997/042222-A1	11-13-1997	Cyclacel Ltd et al.			
	вв	WO-2004/033672-A2	04-22-2004	Inst Rech S Cliniques De Montr et al.			
	ВС	WO-2004/055049-A1	07-01-2004	St George S Entpr Ltd et al.			

		NON PATENT LITERATURE DOCU	MENTS						
Examine r Initials	Cite No. ¹								
	CA	ANTONCHUK et al., "HOXB4 - Induced Expansion of Adult Hematopoietic Stem Cells Ex Vivo," Cell, 109: 39-45, 2002.							
	СВ	Database Bios 'Online! Biosciences information service Ph (2002-11-16) KROSL et al., ""PBX1 Suppresses the Heamtopoietic Sten HoxB4", retrived from EPO, Database accession no PREV	n Cell Growth-E	Enhancing Effect of					
	СС	Data Submitted in Corresponding EP application 20067556 2008; published: April 16, 2008	670, national e	ntry date January 14,					
	CD	DEROSSI et al., "Trojan peptides: The Penetratin System Biology, (1998) Vol. 8: pp. 84-87.	for Intracellular	Delivery", Trends in Cell					
	CE	FISCHER et al., "Structure-activity Relationship of Truncated and Substituted Analogues of the Intracellular Delivery Vector Penetratin", J. Peptide Research (2000) Vol. 55: pp. 163-172.							
	CF	JIANG et al., "Tumor imaging by means of proteolytic activation of cell-penetrating peptides", Proc Natl Acad Sci U S A. 2004 Dec 21;101(51):17867-72. Epub 2004 Dec 15. KNOEPFLER et al., "HoxB8 Requires its Pbx-Interaction Motif to Block Differentiation of Primary							
	CG								
	СН								
	CI								
	CJ	KROSL et al., "Cellular proliferation and transformation induced by HOXB4 and HOXB3 Proteins Involves Cooperation with PBX1" Oncogne (1998) 16, pp. 3403-3412.							
	CK	LINDGREN et al., "Cell-Penetrating Peptides" TiPS (2000)	Vol. 21, pp. 99	9-103.					
	CL	LU et al. "Structural Determinants Within Pbx1 That Mediate Cooperative DNA Binding with Pentapeptide-Containing Hox Proteins: Proposal for a Model of a Pbx1-Hox-DNA Complex" Molecular and Cellular Biology (1996) Vol. 16, pp. 1632-1640.							
Examiner Signature		/David Lukton/	Date Considered	12/07/2009					

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449/PTO				Complete if Known		
				Application Number	10/538,723-Conf. #6853	
11	NFORMATION	1 DI	SCLOSURE	Filing Date	June 13, 2005	
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				Art Unit	1654	
	(Use as many sheets as necessary)			Examiner Name	D. Lukton	
Sheet	2	of	2	Attorney Docket Number	HO-P03185US0	

	СМ	MEDINA et al., "In vivo mutagenesis of the Hoxb8 hexaper transformations that mimic the loss-of-function mutations in 2003 Dec 1;264(1):77-90.						
C	CN	MORGAN et al, "Identifying HOX Paralog Groups by the PBX-Binding Region" Trends in Genetics (2000) Vol. 16: pp. 66-67.						
	MORGAN et al., "Antagonism of HOX/PBX Dimer Formation Blocks the In vivo Proliferation Melanoma", Cancer Res. 2007 Jun 15;67(12):5806-13.							
	CP	MORGAN et al. "Phy genes are required in Venous lens development". Int. I Dev Biol. 2004						
	CQ	NEUTEBOOM et al., "The Hexapeptide LFPWMR in Hoxb Binding with Pbx1 and Pbx2 Proteins" <i>Proc. Natl. Acad. Sci.</i>						
(CR	OWENS et al., "HOX and Non-HOX Homeobox Genes in I (2002) Vol. 20, pp. 364-379.		,				
	CS	PELTENBURG et al., "Engrailed and Hox Homeodomain F Interaction Motif that Recognizes a Common Structure Pre (1996) Vol. 15, No. 13, pp. 3385-3393.						
	СТ	PERSSON et al., "Vesicle Membrane Interactions of Pener Vol. 43, pp. 11045-11055.		· , , , ,				
	CU	PHELAN et al., "Cooperative Interactions between HOX ar Conserved Peptide Motif" Molecular and Cellular Biology (1995) Vol. 15, l	No. 8: pp. 3989-3997.				
	CV	PHELAN et al., "Functional Differences between HOX Proteins Conferred by Two Residues in the Homeodomain N-Terminal Arm", Mol Cell Biol. 1994 Aug;14(8):pp. 5066-5075.						
	CW	SHANMUGAM et al., "Residues Flanking the HOX YPWM Interactions with PBX" The Journal of Biological Chemistry						
	CX	SHEN et al., "The Abd-B-like Hox Homeodomain Proteins Complexes with Pbx1a on a Novel DNA Target", J Biol Ch						
	CY	SHIMAMOTO et al., "Homeobox Genes in Hematopoiesis Journal of Hematology (1998), Vol. 67: pp. 339-350.	and Leukemog	enesis" International				
	CZ	SLUPSKY et al., "The HoxB1 Hexapeptide is a Prefolded Domain: Implications for the Pbx1/Hox Interaction" Protein Science (2001) Vol. 10: pp. 1244-1253. SPRULES et al., "Conformational Changes in the PBX Homeodomain and C-Terminal Extension Upon Binding DNA and HOX-Derived YPWM Peptides" Biochemistry, (2000) Vol. 39: pp. 9943-9950. SPRUILES et al., "Lock and Koy Binding of the HOX YPWM Peptide to the PBX Homeodomain"						
	CCA							
	ССВ							
	ccc	TANAKA et al., "The Peptide Decoy for HOX Proteins Enh Umbilical Cord Blood Hematopoietic Stem Cells" Blood (20	003) Vol. 102: p	o. 183a Abstract #3079.				
	CCD	THOREN at al. "Untake of Applica of Popularity Tat (49.60) and Oligographics in Live Colle"						
	International Search Report issued March 31, 2004 (published July 1, 2004) during the prosecution of International Application No. PCT/GB2003/05425.							
Examiner Signature	Date 12/07/2009							

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